

## CLAIMS

1. "HEAT TRANSMITTING FLUID AND ITS RESPECTIVE OBTAINING PROCESS" characterized by the heat transmitting fluid composition, Express in percentage (%), in weight, in relation to the product total weight, as follows: antioxidant, preferentially derived phenyl or equivalent, being added in the fluid between 0,1 and 0,5%, in mass –  
5 basic fluid, polyinternalolefines PIO or polyalfaolefines PAO being added in the fluid between 99,5 and 99,9%, in mass.

2. "HEAT TRANSMITTING FLUID AND ITS RESPECTIVE  
10 OBTAINING PROCESS" characterized by the procedure for the obtaining of heat transmitting fluid consist of the following phases: weighting of reagents used I the heat transmitting fluid preparation, using a suitable gauged scale; 2 fluid homogenization with the help of mechanical shakers suitable for low viscosity, preferentially with medium speed and  
15 constructively suitable to operate with synthetic hydrocarbon, enough capacity to contain all reagents to be used for the manufacturing of fluid and provided with heating system for work between room temperature and up to 70°C, during the homogenization;

3) Addition of antioxidant in the container mentioned in item 2,  
20 under continuous shaking;

4) Mixture and homogenization after the addition of antioxidant, being the mixing time defined according to the practice, until an homogeneous mixture is obtained, being that after the mixture, the heat transmitting fluid is placed in usual suitable, preferentially metal ones.